

Converting Colors

XYZ(54.8655, 26.1967, 96.7837)

Have a look what the booklet for
XYZ(54.8655, 26.1967, 96.7837)
contains.

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Color

**XYZ(55.0121, 26.2747,
96.7798)**

Conversions

Conversions Part 1

Format	Color
Hex	F300FF
RGB	243, 0, 255
RGB Percent	95%, 0%, 100%
CMY	0.0471, 0.9998, 0.0000
CMYK	0.05, 1.00, 0.00, 0.00
HSL	297°, 100%, 50%
HSV	297°, 100%, 100%
XYZ	55.0121, 26.2747, 96.7798
YIQ	101.7270, 62.9730, 130.8210

Conversions

Conversions Part 2

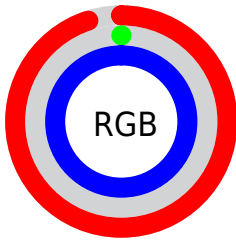
Format	Color
R_{YB}	243, 0, 255
Decimal	15925503
CIE _{Lab}	58.30, 96.44, -64.20
CIE _{LCh}	58, 115.855, 326.349
Yxy	26.2747, 0.3089, 0.1476
Android (android.graphics.Color)	4294115583 (0xFFFF300FF)
YUV	101.7270, 75.5636, 123.8964
Hunter-Lab	51.2589, 101.8670, -76.0619

Details

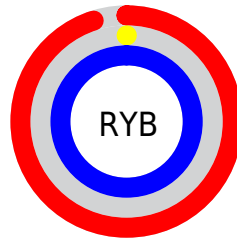
The XYZ color **55.0121, 26.2747, 96.7798** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.9124, 71.5985, 11.9283**, and the grayscale version is **12.3628, 13.0066, 14.1642**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **29.3694, 13.9763, 53.9731** is the 20% darker color. If you saturate the color by 10%, you get **55.0121, 26.2746, 96.7798**, and if you desaturate by 10%, it is **55.7875, 27.2078, 96.9190**.

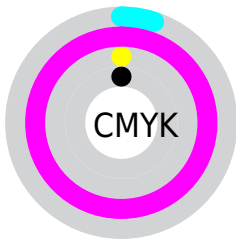
Distribution



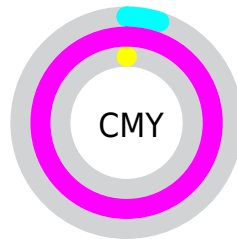
- Red (95%)
- Green (0%)
- Blue (100%)



- Red (95%)
- Yellow (0%)
- Blue (100%)



- Cyan (5%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.0121, 26.2747, 96.7798 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 55.0121, 26.2747, 96.7798 by changing the saturation by 10% instead.


 55.0121, 26.2747,
96.7798


 55.0121, 26.2747,
96.7798


396.0935,
284.1280, 570.9765


 39.6453, 17.0293,
73.0121

 96.7069, 53.7178,
158.7379


 27.4451, 10.2554,
53.4940


 123.7656, 72.6842,
197.7653


 18.0461, 5.5686,
37.8069


 155.4523, 95.6597,
242.7165

 11.0830, 2.5846,
25.5322

 192.1324,
123.0288, 294.0099

 6.1904, 0.9189,
16.2514

 234.1712,
155.1757, 352.0640

 3.0029, 0.0000,
9.5459

281.9341,

 1.1553, 0.0000,

192.4850, 417.2975

4.9973

335.7864,
235.3409, 490.1288

■ 0.0706, 0.0000,
2.1870

■ 0.0000, 0.0000,
0.6668

■ 55.0121, 26.2747,
96.7798

■ 55.0121, 26.2747,
96.7798

■ 55.0121, 26.2746,
96.7798

■ 55.7875, 27.2078,
96.9190

■ 57.0321, 29.0760,
97.2140

■ 58.8893, 32.1655,
97.7125

■ 61.4465, 36.6509,
98.4435

■ 64.7769, 42.6787,
99.4314

■ 68.9445, 50.3769,
100.6977

■ 74.0067, 59.8601,
102.2613

■ 80.0156, 71.2328,
104.1398

■ 87.0196, 84.5915,
106.3491

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.0383, 26.2747, 169.7716



55.0121, 26.2747, 96.7798



62.9631, 26.2747, 33.8411

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



55.0121, 26.2747, 96.7798



26.7391, 26.2747, 0.0000



7.7083, 26.2747, 78.7422

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



55.0121, 26.2747, 96.7798



35.9124, 71.5985, 11.9283

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



6.5148, 26.2747, 23.9455



55.0121, 26.2747, 96.7798



14.7717, 26.2747, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.0121, 26.2747, 96.7798



43.2043, 26.2747, 0.2846



8.5237, 26.2747, 3.5511



12.7640, 26.2747, 154.0815

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.0121, 26.2747, 96.7798



61.0543, 26.2747, 11.8490



8.5237, 26.2747, 3.5511



6.9492, 26.2747, 56.4944

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



55.0132, 26.2759, 96.7800



73.9980, 59.8437, 102.2586



18.1917, 7.5027, 95.0971



15.3578, 11.9054, 21.7385



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.0132, 26.2759, 96.7800



55.0121, 26.2746, 96.7798



45.9939, 23.1622, 26.9613



18.7032, 18.2543, 22.7876



28.7820, 13.7481, 50.5713



2.8274, 1.3515, 4.9251

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41.3070, 21.2875, 2.2808



41.3064, 21.2865, 2.2795



38.8419, 72.7528, 28.1465



18.0440, 18.0009, 18.8490



21.5981, 11.1285, 1.2681



2.1146, 1.0882, 0.1847

Previews

White Background



This preview shows how the XYZ color 55.0121, 26.2747, 96.7798 looks on a white background.

Color Contrast Check

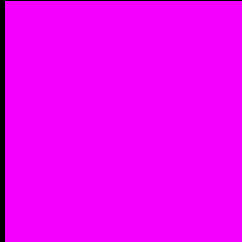
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 55.0121, 26.2747, 96.7798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

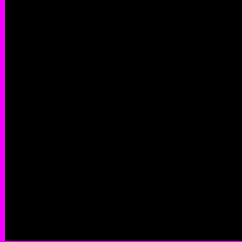
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.0121, 26.2747, 96.7798

Background



This preview shows how black text looks on a background with the XYZ color 55.0121, 26.2747, 96.7798.



This preview shows how white text looks on a background with the XYZ color 55.0121, 26.2747,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

55.0121, 26.2747, 96.7798

Protanopia

30.5318, 27.1463, 98.2383

Deuteranopia

27.8554, 26.9025, 86.1626



Tritanopia

38.5750, 26.3446, 16.9618

Trichromacy



Original Color

55.0121, 26.2747, 96.7798



Protanomaly

32.3549, 19.7749, 96.7194



Deuteranomaly

29.6533, 18.8104, 88.4541



Tritanomaly

41.5451, 23.3958, 36.0444

Monochromacy



Original Color

55.0121, 26.2747, 96.7798



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

21.1987, 13.0215, 33.7439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.0121, 26.2747, 96.7798 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(243, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 0, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(243, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.0121, 26.2747, 96.7798 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(243, 0, 255) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(243, 0, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(243, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.0121, 26.2747, 96.7798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 0, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(243, 0,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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